



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/581,861

Source:

Per/09

BEST AVAILABLE COPY

Date Processed by STIC:

4/25/2001

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.**

**FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.**

**PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:**

### **Checker Version 3.0**

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

# New Sequence Listing Error Summary

## ERROR DETECTED    SUGGESTED    CORRECTION

SERIAL NUMBER: 09/581,861

**ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE**

- 1           Wrapped Nucleics                      The number/text at the end of each line "wrapped" down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
  
- 2           Wrapped Aminos                        The amino acid number/text at the end of each line "wrapped " down to the next line.  
This may occur if your file was retrieved in a word processor after creating it.  
Please adjust your right margin to .3, as this will prevent "wrapping".
  
- 3           Incorrect Line Length                    The rules require that a line not exceed 72 characters in length. This includes spaces.
  
- 4           Misaligned Amino Acid                    The numbering under each 5th amino acid is misaligned. This may be caused by the use of tabs  
Numbering    between the numbering. It is recommended to delete any tabs and use spacing between the numbers.
  
- 5           Non-ASCII                                    This file was not saved in ASCII (DOS) text, as required by the Sequence Rules.  
Please ensure your subsequent submission is saved in ASCII text so that it can be processed.
  
- 6           Variable Length                           Sequence(s)        contain n's or Xaa's which represented more than one residue.  
As per the rules, each n or Xaa can only represent a single residue.  
Please present the maximum number of each residue having variable length and  
indicate in the (ix) feature section that some may be missing.
  
- 7           PatentIn ver. 2.0 "bug"                   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid  
sequence(s)                                   . Normally, PatentIn would automatically generate this section from the  
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section  
to the subsequent amino acid sequence. **This applies primarily to the mandatory <220>-<223>**  
**sections for Artificial or Unknown sequences.**
  
- 8           Skipped Sequences                      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence:  
(OLD RULES)                                      **(2) INFORMATION FOR SEQ ID NO:X:**  
**(i) SEQUENCE CHARACTERISTICS:**(Do not insert any headings under "SEQUENCE CHARACTERISTICS")  
**(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X:**  
**This sequence is intentionally skipped**  
  
Please also adjust the "(iii) NUMBER OF SEQUENCES:" response to include the skipped sequence(s).
  
- 9           Skipped Sequences                      Sequence(s)        missing. If intentional, please use the following format for each skipped sequence.  
(NEW RULES)                                      **<210> sequence id number**  
**<400> sequence id number**  
**000**
  
- 10           Use of n's or Xaa's                        Use of n's and/or Xaa's have been detected in the Sequence Listing.  
(NEW RULES)                                      Use of <220> to <223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 11           Use of "Artificial"                            Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules.  
(NEW RULES)                                      Valid response is Artificial Sequence.
  
- 12           Use of <220>Feature                        Sequence(s)        are missing the <220>Feature and associated headings.  
(NEW RULES)                                      Use of <220> to <223> is MANDATORY if <213>ORGANISM is "Artificial Sequence" or "Unknown"  
**Please explain source of genetic material in <220> to <223> section.**  
**(See "Federal Register," 6/01/98, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of new Rules)**
  
- 13           PatentIn ver. 2.0 "bug"                    **Please do not use "Copy to Disk" function of PatentIn version 2.0.** This causes a corrupted  
file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing).  
Instead, please use "File Manager" or any other means to copy file to floppy disk.

PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/581,861

DATE: 04/25/2001

TIME: 08:41:43

Does Not Comply  
Corrected Diskette Needed

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\04252001\I581861.raw

pg 1-2

3 <110> APPLICANT: Cadus Pharmaceutical Corporation  
 5 <120> TITLE OF INVENTION: YEAST CELLS EXPRESSING MODIFIED G PROTEINS AND METHODS  
 6 OF USE THEREFOR  
 8 <130> FILE REFERENCE: CPI-012C8PC  
 10 <140> CURRENT APPLICATION NUMBER: US/09/581,861  
 11 <141> CURRENT FILING DATE: 2000-06-16  
 13 <150> PRIOR APPLICATION NUMBER: USSN 08/946,298  
 14 <151> PRIOR FILING DATE: 1997-10-07  
 16 <150> PRIOR APPLICATION NUMBER: USSN 08/689,172  
 17 <151> PRIOR FILING DATE: 1996-08-06  
 19 <150> PRIOR APPLICATION NUMBER: USSN 08/582,333  
 20 <151> PRIOR FILING DATE: 1996-01-17  
 22 <150> PRIOR APPLICATION NUMBER: USSN 08/463,181  
 23 <151> PRIOR FILING DATE: 1995-06-05  
 25 <150> PRIOR APPLICATION NUMBER: USSN 08/322,137  
 26 <151> PRIOR FILING DATE: 1994-10-13  
 28 <150> PRIOR APPLICATION NUMBER: USSN 08/309,313  
 29 <151> PRIOR FILING DATE: 1994-09-20  
 31 <150> PRIOR APPLICATION NUMBER: USSN 08/190,328  
 32 <151> PRIOR FILING DATE: 1994-01-31  
 34 <150> PRIOR APPLICATION NUMBER: USSN 08/041,431  
 35 <151> PRIOR FILING DATE: 1993-03-31  
 37 <160> NUMBER OF SEQ ID NOS: 123  
 39 <170> SOFTWARE: PatentIn Ver. 2.0

## ERRORED SEQUENCES

743 <210> SEQ ID NO: 75  
 744 <211> LENGTH: 80  
 745 <212> TYPE: DNA  
 746 <213> ORGANISM: Chimaera sp.  
 748 <400> SEQUENCE: 75  
 E--> 749 gcggagctcm nnnnnnnnnn nnncttttc taattgcaag gattgttcga taacgtcatt 60  
 750 agctctctta ttctgcaggg 80  
 786 <210> SEQ ID NO: 80  
 787 <211> LENGTH: 6  
 788 <212> TYPE: PRT  
 789 <213> ORGANISM: Homo sapiens  
 791 <400> SEQUENCE: 80  
 E--> 792 Gly Xaa Gly Xaa Xaa Gly item 10  
 793 1 5  
 806 <210> SEQ ID NO: 82  
 807 <211> LENGTH: 4  
 808 <212> TYPE: PRT  
 809 <213> ORGANISM: Rattus sp.  
 811 <400> SEQUENCE: 82

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/581,861

DATE: 04/25/2001

TIME: 08:41:43

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\04252001\I581861.raw

E--&gt; 812 Met Gly Xaa Ser

813 1

816 &lt;210&gt; SEQ ID NO: 83

817 &lt;211&gt; LENGTH: 4

818 &lt;212&gt; TYPE: PRT

819 &lt;213&gt; ORGANISM: Rattus sp.

821 &lt;400&gt; SEQUENCE: 83

E--&gt; 822 Cys Ala Ala Xaa

823 1

**VERIFICATION SUMMARY**

DATE: 04/25/2001

PATENT APPLICATION: US/09/581,861

TIME: 08:41:45

Input Set : A:\SEQLIST.txt

Output Set: N:\CRF3\04252001\I581861.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:749 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:75  
L:792 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:80  
L:812 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:82  
L:822 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:83